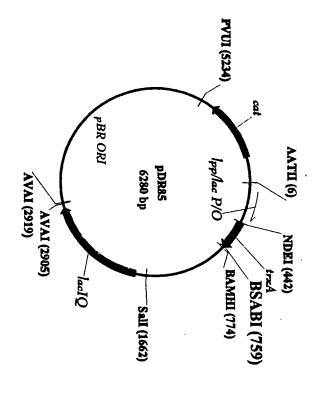
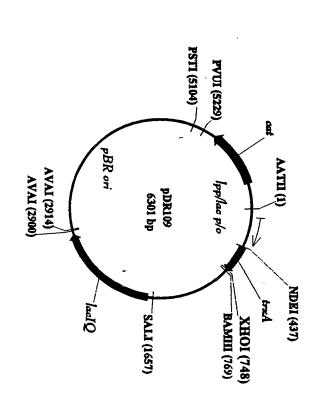
Figures





IN THE CONSTRUCTION OF pDR109 THE trxA GENE WAS ALTERED TO REPLACE THE BSABI SITE WITH A UNIQUE XHOI RESTRICTION SITE FOR EASY SUBCLONING OF A DOWNSTREAM RECOMBINANT GENE.

Seq ID No: 13 CTC GAG GCT SEQ ID WO: 12 CTC SEQ IDW: IL LOU GAT Asp Ala GCT Asn Asn AAT AAT CTG Leu Ala 909 929 Ala TAA TAA * * *

pDR85 Sequence

pDR109 Sequence

PVUI (3898) pUC or **PLET3** 4970 bp (I) TTAA SALI (2430) AVAI (2450) rhuIL-13 BsaBI (902) XBAI (978) NDEI (996) SACI (1035) -BAMHI (1542)

tisure s

BsaBI-SacI oligo sequence

GATAATAATCTGGCT GGTTCTGGTTGATGACGATGACAAG trxA sequence /glyserglysergly aspaspaspasplys Glyserglysergly aspaspasplys linker region enterokinase

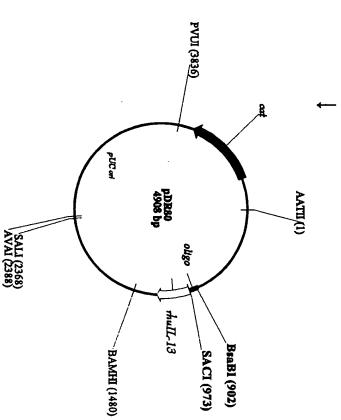
cleavage

GGTC2 TGTTCCGCCG TCCGCTCTGC GTGAGCTCTGTL-13 sequence

Synthesize both DNA strands of the BsaBI-Saef oligo

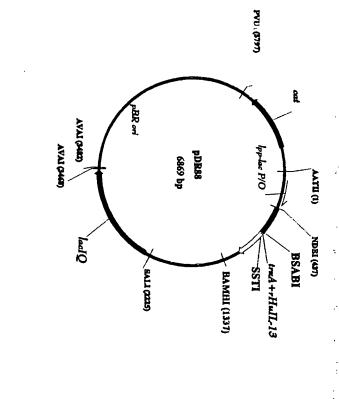
Digest pLET3 with BsaBI-SacI

Ligate pLET3 and the Oligo



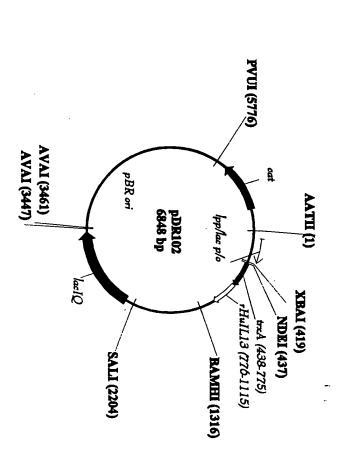
(dales e)

Figure 6



SYNTHESIZE A DOUBLE STRANDED OLIGO WITH BSABI/SSTI RESTRICTION SITES

LIGATE INTO BSABI/SSTI DIGESTED pDR88



GCG AAG GAG GCT GAT TAAATG GGT CCG GTT R.B.S. stop THE A CCG-CCG TCT ACC GCT CTG CGT GAG CTC (delete)